

HAMILTON COUNTY: Key Data Points

- Hamilton county experiences a higher total birth rate than the state of Indiana overall, 16.8 versus 13.9 respectively.
- 11 of the 14 infant deaths in the county were neonatal deaths
- Hamilton county has a significantly lower percentage of mothers smoking during pregnancy compared to the state overall, 5.4% versus 18.5% respectively.
- A significantly higher percentage of white mothers are using alcohol during pregnancy compared to the state overall, 1.1% versus 0.6% respectively.
- County has significantly lower percentage of unmarried parents compared to the state overall, 10.6% versus 37% respectively.
- The county has a significantly higher percentage of women utilizing prenatal care during the first trimester compared to the state overall, 87.8% versus 80.6% respectively.
- of pregnancy as well as mothers using alcohol during pregnancy
- The county has a much higher percentage of women breastfeeding on discharge than the state overall (81.9% vs. 63.2%, respectively)
- Hamilton county observed 30 accidental deaths (14 of which were motor vehicle), 23 suicidal deaths and 3 homicide

Note: All figures relate to 2003 data from the Indiana State Department of Health, unless otherwise specified

Figure 1. Births

	Total		White		Black		Other	
	Number	Crude Rate*	Number	Crude Rate*	Number	Crude Rate*	Number	Crude Rate*
Hamilton County	3,637	16.8	3,414	17	75	14.3	148	14.5
INDIANA	86,382	13.9	75,422	13.7	9,288	17.5	1,672	10.6

* births per 1,000 population; U = unstable rate, based on fewer than 20 births

Figure 2. Mortality

		NUMBER				RATE*		
COUNTY OF RESIDENCE	REPORTED RACE/ ETHNICITY	Live Births	Infant Deaths (< 1 yr)	Neonatal Deaths (< 28 days)	Post Neonatal Deaths (28-364 days)	Infant Deaths (< 1 yr)	Neonatal Deaths (< 28 days)	Post Neonatal Deaths (28-364 days)
HAMILTON	All Races	3,637	14	11	3	**	**	**
	White	3,414	13	10	3	**	**	**
	Black	75	0	0	0	0	0	0
	Other	148	1	1	0	**	**	0
	Hispanic	100	0	0	0	0	0	0
INDIANA	All Races	86,382	641	417	224	7.4	4.8	2.6
	White	75,422	479	309	170	6.4	4.1	2.3
	Black	9,288	148	98	50	15.9	10.6	5.4
	Other	1,672	14	10	4	**	**	**
	Hispanic	6,763	38	22	16	5.6	3.3	**

*rate per 1,000 live births **Numerator is less than 20 and the rate is unstable

Figure 3. Outcome Indicators of Mother, by Race

		Birth Weight				During Pregnancy		
HAMILTON COUNTY	Total Births	% Low (< 2500 grams)	% Very Low (< 1500 grams)	% Preterm †	% PNC 1st Trimester ‡	% Alcohol	% Smoked	% Unmarried Parents
All Races	3,637	6.5	1.1	10.1	87.8(S)	1	5.4(S)	10.6(S)
White	3,414	6.3	1.1	10.1	87.8(S)	1.1(S)	5.7(S)	10.7(S)
Black	75	1.3	0	6.7	88(S)	0	1.3	20(S)

		Birth Weight				During Pregnancy		
INDIANA	Total Births	% Low (< 2500 grams)	% Very Low (< 1500 grams)	% Preterm †	% PNC 1st Trimester ‡	% Alcohol	% Smoked	% Unmarried Parents
All Races	86,382	7.9	1.4	9.9	80.6	0.6	18.5	37.1
White	75,422	7.2	1.2	9.5	82.1	0.6	19.1	32.6
Black	9,288	13.3	3.3	13.3	68.2	1.1	15.2	76.3

† Preterm: less than 37 weeks gestation

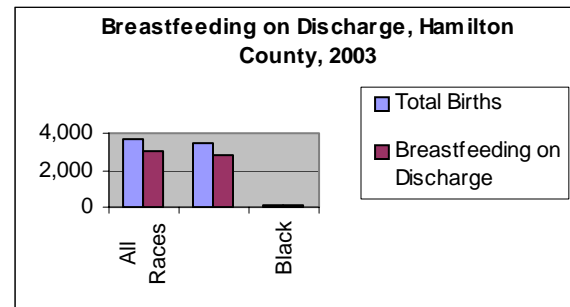
‡ PNC: Prenatal Care

'S' Significantly different than the state percent

*** Outcomes for this county are suppressed due to 20 or fewer total births

Figure 4. Breastfeeding

Hamilton County	<i>All Races</i>	<i>White</i>	<i>Black</i>
Total Births	3,637	3,414	75
Breastfeeding on Discharge	2,980	2,784	62
% Breastfeeding on Discharge	81.9	81.5	82.7



INDIANA	<i>All Races</i>	<i>White</i>	<i>Black</i>
Total Births	86,382	75,422	9,288
Breastfeeding on Discharge	54,636	49,385	3,959
% Breastfeeding on Discharge	63.2	65.5	42.6

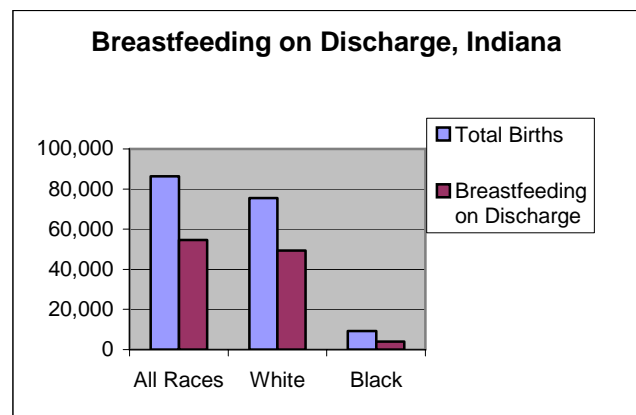


Figure 5. HIV/AIDS

	Total # of AIDS cases reported since 1982	Total # of HIV cases reported since 1985
HAMILTON COUNTY INDIANA	89 7,641	51 3,856

*data gathered from June 2005 HIV/STD Quarterly Report

Figure 6. Nutritional Risk Factors by Status,
Indiana WIC Clinics, Quarter Ending 09/30/2004

Local Agency: Indiana Health Centers, Inc. Counties Included: Howard, Cass, Grant, Hamilton, Tipton, Clinton							
Risk Factor or Status	Children 1-5 years of Age					Total	% within Agency
	White	Black	Hispanic	Asian	Other		
Overweight	112	17	71	0	4	204	4.6%
At Risk for becoming Overweight	151	23	64	0	6	244	5.5%
Local Agency: State Wide Counties Included: All							
Risk Factor or Status	Children 1-5 years of Age					Total	% within Agency
	White	Black	Hispanic	Asian	Other		
Overweight	1,732	445	800	12	97	3,086	4.8%
At Risk for becoming Overweight	2,023	485	639	11	124	3,282	5.1%

Priority Issues (Hamilton & Indiana)			
Demographics: Percentage of population enrolled in Medicaid, Percentage of population enrolled in Food Stamps.		Hamilton	Indiana
2	% of Population enrolled in Medicaid as of June 2003	3.5	12.4
3	% of Population in Food Stamps Program, 2004	1.7	8.6
Priority #1 (pregnancy outcomes): Average Infant Mortality Rate, Average Fetal death Rate		Hamilton	Indiana
1	Av Total Infant Death Rate (1993-2002)	6.4	8.1
2	Average Fetal Death Rate (1994-2003)	5.0	6.7
Priority #2 (reduce barriers): Health Professional Shortage Areas, Percentage of women with prenatal care in first trimester		Hamilton	Indiana
1	Scores for Primary Care Health Professional Shortage Areas (HPSAs) (2005)	No Score	NA
2	% PNC 1st Trimester†, 2003	87.8	80.6
Priority #4 (environmental): Prevalence of asthma, Childhood lead poisoning		Hamilton	Indiana
1	Prevalence of Asthma in a Medicaid Cohort of Children age 0-17 years, 2003	9.8	10.4
2	%Estimated Lead Blood Levels (%EBLL) for Children under 6 years old FY 2004-2005	NA	2.1
Priority #5 (tobacco): Percentage of mothers who smoked during pregnancy, Percentage of Adult Smoking		Hamilton	Indiana
1	% of mothers Smoked During Pregnancy, 2003	5.4	18.5
2	% of Adult Smoking in 2003	21.4	29.3
Priority #7 (adolescent risk behaviors): Adolescent deaths due to motor vehicle accidents, Chlamydia rates (ages 15-24).		Hamilton	Indiana
1	Number of Adolescent (15-24) deaths due to Motor vehicle accidents (2001-2003)	17	748
2	Chlamydia rates per 100,000 county specific population (15-24yrs of Age)	406.19	1541.49
Priority #8 (obesity): Obesity in pregnant women		Hamilton	Indiana
1	Number of Obese Pregnant Women In Indiana, 2003	31	2,496
Priority #9 (domestic violence, childhood injury): Child deaths due to Injury, Child abuse and neglect rates		Hamilton	Indiana
1	Child deaths due to Injury 1-14yrs (2001-2003)	4	257
2	Child Abuse and Neglect per 1,000 Population under age 18, 2004	3.3	13.5
Priority #10 (To improve racial and ethnic disparities in women of childbearing age, mothers, and children's health outcomes): Percentage of Hispanic Population of any Race, LBW Disparity Ratio		Hamilton	Indiana
1	% of Hispanic Population of any Race, July,1,2004	2.2	4.3
2	Low Birth Weight Disparity Ratio (B/W) (1993-2002)	1.13	1.92
Source: Data Analysis Team, ISDH. Notes: 1. NS= Not Stable 2. NA = Not Available 3. Infant Mortality rate and Fetal Death rate is for 1000 live births. 4. Low Birth Weight: Birth Weight Less than 2,500grams. 5. HPSA Score ranges 1 – 25. The higher the score, the higher the need. 6. EBLL: Ten (10) micrograms of lead per deciliter of whole blood for one venous test; %EBLL is based on screening rate of 27% Statewide, unduplicated kids 7. Obesity in Pregnant Women determined by "Concurrent Illness			

Obesity" checkbox on the birth certificate 8. PNC percentages are calculated using total births in each county.